

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|-----------------|------------------|---------|------------------|
| L1 | 6390 | mobile WITH (communication OR telephone) WITH (camera OR photograph) | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:23 |
| L2 | 0 | mobile WITH (communication OR telephone) WITH (camera OR photograph) AND (face WITH (facial ADJ area) WITH region) | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:24 |
| L3 | 13 | mobile WITH (communication OR telephone) WITH (camera OR photograph) AND facial WITH area | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:28 |
| L4 | 8 | mobile WITH (communication OR telephone) WITH (camera OR photograph) AND facial WITH area AND region | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:25 |
| L5 | 4 | mobile WITH (communication OR telephone) WITH (camera OR photograph) AND facial WITH area AND region AND eyes | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:25 |
| L6 | 2 | mobile WITH (communication OR telephone) WITH (camera OR photograph) AND facial WITH area AND region AND eyes AND first WITH value | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:26 |
| L7 | 130831 | detect\$3 WITH (face OR (facial ADJ area) OR region) | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:30 |
| L8 | 3333 | detect\$3 WITH (face OR (facial ADJ area) OR region) SAME (first WITH value) | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:30 |
| L9 | 93 | detect\$3 WITH (face OR (facial ADJ area) OR region) SAME (first ADJ value) | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:31 |
| L10 | 2 | detect\$3 WITH (face OR (facial ADJ area) OR region) SAME (first ADJ value) SAME (detect\$3 WITH eyes) | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:34 |
| L11 | 0 | mobile WITH phone WITH face WITH eyes WITH camera | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:35 |
| L12 | 8 | mobile WITH phone SAME face SAME eyes WITH camera | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:35 |
| L13 | 2 | mobile WITH phone WITH camera SAME face SAME eyes | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:35 |
| L14 | 7873 | mobile WITH phone WITH (camera OR photograph) | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:36 |
| L15 | 484 | (mobile WITH phone WITH (camera OR photograph)) AND face AND eyes AND value | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:37 |

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|-----|---------|---|--------------------|----|-----|------------------|
| L16 | 3 | (mobile WITH phone WITH (camera OR photograph)) AND face AND eyes AND (first ADJ value) | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:39 |
| L17 | 218 | (mobile WITH phone WITH camera) AND (detect\$3 WITH region) | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:40 |
| L18 | 34 | (mobile WITH phone WITH camera) AND (detect\$3 WITH region) AND (detect\$3 WITH eyes) | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:40 |
| L19 | 55 | (mobile WITH phone WITH camera) AND (detect\$3 WITH (region OR face)) AND (detect\$3 WITH eyes) | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:44 |
| L20 | 45 | (mobile WITH phone WITH camera) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) | US-PGPUB; USPAT | OR | ON | 2007/05/01 09:22 |
| L21 | 38 | (mobile WITH phone WITH camera) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND value | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:44 |
| L22 | 14 | (mobile WITH phone WITH camera) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND (first WITH value) | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:45 |
| L23 | 9 | (mobile WITH phone WITH camera) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND (first WITH value) AND (second WITH value) | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:45 |
| L24 | 8 | (mobile WITH phone WITH camera) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND (first WITH value) AND (second WITH value) AND difference | US-PGPUB; USPAT | OR | ON | 2007/05/01 08:45 |
| L25 | 1 | ("20040180690").PN. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 09:51 |
| L26 | 1 | ("20050221856").PN. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 10:25 |
| L28 | 6 | (first WITH value WITH midpoint WITH eyes) | US-PGPUB; USPAT | OR | ON | 2007/05/01 10:29 |
| L31 | 32 | mobile WITH phone WITH camera AND face AND shoulder AND eyes | US-PGPUB; USPAT | OR | ON | 2007/05/01 10:31 |
| L33 | 2237246 | mobile WITH phone WITH camera AND face AND shoulder AND eyes value | US-PGPUB; USPAT | OR | ON | 2007/05/01 10:32 |
| L34 | 29 | mobile WITH phone WITH camera AND face AND shoulder AND eyes AND value | US-PGPUB; USPAT | OR | ON | 2007/05/01 10:32 |

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|-----|---------|--|--------------------|----|----|------------------|
| L35 | 2237243 | mobile WITH phone WITH camera SAME face AND shoulder AND eyes value | US-PGPUB; USPAT | OR | ON | 2007/05/01 10:32 |
| L36 | 2237243 | mobile WITH phone WITH camera SAME face SAME shoulder AND eyes value | US-PGPUB; USPAT | OR | ON | 2007/05/01 10:33 |
| L40 | 7 | mobile WITH phone WITH camera SAME face AND shoulder AND eyes AND value | US-PGPUB; USPAT | OR | ON | 2007/05/01 10:34 |
| L41 | 5 | mobile WITH phone WITH camera SAME face AND shoulder AND eyes AND value AND vector | US-PGPUB; USPAT | OR | ON | 2007/05/01 10:34 |
| L42 | 0 | mobile WITH phone WITH camera SAME face AND shoulder AND eyes AND value AND vector AND angle | US-PGPUB; USPAT | OR | ON | 2007/05/01 10:34 |
| L43 | 5 | mobile WITH phone WITH camera SAME face AND shoulder AND eyes AND value AND vector | US-PGPUB; USPAT | OR | ON | 2007/05/01 10:36 |
| L44 | 57 | face SAME shoulder SAME eyes AND value AND vector | US-PGPUB; USPAT | OR | ON | 2007/05/01 10:37 |
| L45 | 29 | face SAME shoulder SAME eyes AND value AND vector AND (midpoint OR middle) | US-PGPUB; USPAT | OR | ON | 2007/05/01 10:37 |
| L46 | 27 | face SAME shoulder SAME eyes AND value AND vector AND (midpoint OR middle) AND angle | US-PGPUB; USPAT | OR | ON | 2007/05/01 10:37 |
| L47 | 2 | face SAME shoulder SAME eyes AND value AND vector AND (midpoint OR middle) AND angle AND mobile | US-PGPUB; USPAT | OR | ON | 2007/05/01 10:39 |
| L48 | 0 | face AND recogniton SAME shoulder SAME eyes AND value AND vector AND (midpoint OR middle) AND angle | US-PGPUB; USPAT | OR | ON | 2007/05/01 10:39 |
| L49 | 27 | face SAME shoulder SAME eyes AND value AND vector AND (midpoint OR middle) AND angle | US-PGPUB; USPAT | OR | ON | 2007/05/01 11:07 |
| L50 | 7697 | face WITH recognition AND eyes AND shoulder\$3 AND midpoint OR middle AND horizontal AND vertical AND vector AND angle | US-PGPUB; USPAT | OR | ON | 2007/05/01 11:09 |
| L51 | 88 | face WITH recognition AND eyes AND shoulder\$3 AND (midpoint OR middle) AND horizontal AND vertical AND vector AND angle | US-PGPUB; USPAT | OR | ON | 2007/05/01 11:09 |
| L52 | 19 | face WITH recognition AND eyes SAME shoulder\$3 AND (midpoint OR middle) AND horizontal AND vertical AND vector AND angle | US-PGPUB; USPAT | OR | ON | 2007/05/01 11:09 |

EAST Search History

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|-----|------|---|--------------------|----|-----|------------------|
| L53 | 0 | face WITH recognition AND eyes SAME (shoulder\$3 AND (midpoint OR middle) AND horizontal AND vertical AND vector AND angle) | US-PGPUB; USPAT | OR | ON | 2007/05/01 11:09 |
| L54 | 19 | face WITH recognition AND eyes SAME shoulder\$3 AND (midpoint OR middle) AND horizontal AND vertical AND vector AND angle | US-PGPUB; USPAT | OR | ON | 2007/05/01 11:23 |
| L55 | 1 | ("20050221856").PN. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 11:24 |
| L56 | 8 | face WITH recognition SAME angle SAME vector AND horizontal AND shoulder\$ AND eyes | US-PGPUB; USPAT | OR | ON | 2007/05/01 11:26 |
| L57 | 15 | face WITH recognition SAME angle AND vector AND horizontal AND shoulder\$ AND eyes | US-PGPUB; USPAT | OR | ON | 2007/05/01 12:53 |
| L58 | 1 | "20050221856" | US-PGPUB; USPAT | OR | ON | 2007/05/01 12:54 |
| L59 | 1 | "20030063778" | US-PGPUB; USPAT | OR | ON | 2007/05/01 12:54 |
| L60 | 1 | "20030100261" | US-PGPUB; USPAT | OR | ON | 2007/05/01 12:55 |
| L61 | 14 | "6611613" | US-PGPUB; USPAT | OR | ON | 2007/05/01 12:55 |
| L62 | 1 | ("6611613").PN. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 14:48 |
| L63 | 845 | (382/181).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 14:48 |
| L64 | 1239 | (382/190).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 14:48 |
| L65 | 293 | (382/117).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 14:48 |
| L66 | 740 | (382/118).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 14:48 |
| S1 | 1 | ("6631174").PN. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 08:22 |
| S2 | 4 | (image WITH processing WITH unit WITH detect\$3 WITH first WITH difference) AND (mobile WITH communication) | US-PGPUB; USPAT | OR | ON | 2007/04/19 16:49 |
| S3 | 111 | image WITH processing WITH unit WITH detect\$3 WITH first WITH difference | US-PGPUB; USPAT | OR | ON | 2007/04/19 16:22 |
| S4 | 5 | image WITH processing WITH unit WITH detect\$3 WITH first WITH difference AND mobile | US-PGPUB; USPAT | OR | ON | 2007/04/19 16:29 |

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|-----|------|--|--------------------|----|-----|------------------|
| S5 | 339 | (382/313).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/04/19 16:30 |
| S6 | 394 | (382/296).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/04/19 16:32 |
| S7 | 1121 | (382/254).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/04/19 16:34 |
| S8 | 2112 | (455/566).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/04/19 16:34 |
| S9 | 2478 | (455/550.1).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/04/19 16:35 |
| S10 | 1 | 382/313.ccls. AND(mobile WITH communication WITH (camera OR photograph)) | US-PGPUB; USPAT | OR | ON | 2007/04/19 16:31 |
| S11 | 0 | (382/296.ccls. AND(mobileWITHcommunicationWITH (cameraORphotograph))).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/04/19 16:32 |
| S12 | 5 | 382/254.ccls. AND(mobile WITH communication WITH (camera OR photograph)) | US-PGPUB; USPAT | OR | ON | 2007/04/19 16:32 |
| S13 | 5277 | 382/254(mobile WITH communication WITH (camera OR photograph)) | US-PGPUB; USPAT | OR | ON | 2007/04/19 16:33 |
| S14 | 80 | 455/566.ccls. AND(mobile WITH communication WITH (camera OR photograph)) | US-PGPUB; USPAT | OR | ON | 2007/04/19 16:34 |
| S15 | 68 | 455/550.1.ccls. AND(mobile WITH communication WITH (camera OR photograph)) | US-PGPUB; USPAT | OR | ON | 2007/04/19 16:35 |
| S16 | 4 | (image WITH processing WITH unit SAME detect\$3 WITH first WITH difference) AND (mobile WITH communication) | US-PGPUB; USPAT | OR | ON | 2007/04/19 16:49 |
| S17 | 24 | (processing WITH unit SAME detect\$3 WITH first WITH difference) AND (mobile WITH communication) | US-PGPUB; USPAT | OR | ON | 2007/04/19 16:49 |
| S20 | 158 | initialization WITH value WITH set WITH user | US-PGPUB; USPAT | OR | ON | 2007/04/19 17:09 |
| S21 | 0 | (image WITH processing WITH unit)AND(mobile WITH communication) AND (initialization WITH value WITH by WITH user) | US-PGPUB; USPAT | OR | ON | 2007/04/19 17:09 |
| S22 | 0 | (mobile WITH communication) AND (initialization WITH value WITH by WITH user) | US-PGPUB; USPAT | OR | ON | 2007/04/19 17:09 |
| S23 | 7 | initialization WITH value WITH set WITH user AND (mobile WITH communication) | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:19 |

EAST Search History

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|-----|-------|--|--------------------|----|----|------------------|
| S24 | 2833 | first WITH operational WITH function | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:20 |
| S25 | 136 | (first WITH operational WITH function)SAME (first WITH difference) | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:20 |
| S26 | 1 | (user WITH first WITH operational WITH function)SAME (first WITH difference) | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:21 |
| S27 | 3 | user SAME (first WITH operational WITH function)SAME (first WITH difference) | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:21 |
| S28 | 3 | (user SAME first WITH operational WITH function)SAME (first WITH difference) | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:22 |
| S29 | 4 | (user AND first WITH operational WITH function)SAME (first WITH difference) | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:22 |
| S30 | 1 | (mobile WITH communication) AND (user AND first WITH operational WITH function)SAME (first WITH difference) | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:22 |
| S31 | 22665 | mobile WITH communication WITH user | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:23 |
| S32 | 0 | mobile WITH communication WITH user WITH set\$3 WITH first WITH operational WITH function | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:23 |
| S33 | 4 | mobile WITH communication WITH user WITH first WITH operational WITH function | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:24 |
| S34 | 19 | mobile WITH communication AND user WITH first WITH operational WITH function | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:24 |
| S35 | 2 | mobile WITH communication AND user WITH first WITH operational WITH function AND first WITH difference | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:26 |
| S36 | 18 | mobile WITH communication WITH user WITH first WITH operational | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:29 |
| S37 | 4 | mobile WITH communication WITH user WITH first WITH operational WITH function | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:26 |
| S38 | 1 | (mobile WITH communication) AND (user WITH sets WITH first WITH operational NEAR1 function) | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:30 |
| S39 | 4 | (mobile WITH communication) AND (user WITH sets WITH first WITH operational WITH function) | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:43 |
| S40 | 294 | (mobile WITH communication) SAME (operational WITH function) | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:44 |

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|-----|-----|---|-----------------|----|----|------------------|
| S41 | 9 | (mobile WITH communication) SAME (setting WITH operational WITH function) | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:44 |
| S42 | 3 | (mobile WITH communication) SAME (setting WITH operational WITH function WITH control) | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:44 |
| S43 | 1 | (mobile WITH communication) SAME (setting WITH operational WITH function WITH control WITH information) | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:44 |
| S44 | 2 | (mobile WITH communication) SAME (setting WITH operational WITH function SAME (control WITH information)) | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:45 |
| S45 | 9 | (mobile WITH communication) SAME (setting WITH operational WITH function) | US-PGPUB; USPAT | OR | ON | 2007/04/21 10:47 |
| S46 | 41 | (mobile WITH communication) AND (setting WITH operational WITH function) | US-PGPUB; USPAT | OR | ON | 2007/04/21 11:26 |
| S47 | 419 | (mobile WITH communication) AND (extract\$3 WITH first WITH value) | US-PGPUB; USPAT | OR | ON | 2007/04/21 11:34 |
| S48 | 1 | (mobile WITH communication) AND (extract\$3 WITH first WITH value) AND (compar\$3 WITH first WITH value WITH initialization WITH value) | US-PGPUB; USPAT | OR | ON | 2007/04/21 11:29 |
| S49 | 5 | (extract\$3 WITH first WITH value) AND (compar\$3 WITH first WITH value WITH initialization WITH value) | US-PGPUB; USPAT | OR | ON | 2007/04/21 11:28 |
| S50 | 6 | (mobile WITH communication) AND (compar\$3 WITH first WITH value WITH initialization WITH value) | US-PGPUB; USPAT | OR | ON | 2007/04/21 11:29 |
| S51 | 9 | (mobile WITH communication) AND (extract\$3 WITH first WITH value AND (initialization WITH value)) | US-PGPUB; USPAT | OR | ON | 2007/04/21 11:54 |
| S52 | 13 | (mobile WITH communication) AND (detect\$3 WITH diagnostic WITH element) | US-PGPUB; USPAT | OR | ON | 2007/04/21 11:56 |
| S53 | 1 | (mobile WITH communication) AND (detect\$3 WITH diagnostic WITH element) AND (deriv\$3 WITH first WITH value) | US-PGPUB; USPAT | OR | ON | 2007/04/21 11:57 |
| S54 | 1 | (mobile WITH communication) AND (detect\$3 WITH diagnostic WITH element) AND (first WITH value) AND (comprehensive WITH value) | US-PGPUB; USPAT | OR | ON | 2007/04/21 11:58 |

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|-----|--------|---|-----------------|----|-----|------------------|
| S55 | 1 | (mobile WITH communication) AND (detect\$3 WITH diagnostic WITH element) AND (deriv\$3 WITH value) AND (comprehensive WITH value) | US-PGPUB; USPAT | OR | ON | 2007/04/21 11:58 |
| S56 | 1 | (mobile WITH communication) AND (detect\$3 WITH diagnostic WITH element) AND (deriv\$3 WITH value) | US-PGPUB; USPAT | OR | ON | 2007/04/21 11:58 |
| S57 | 13 | (mobile WITH communication) AND (detect\$3 WITH diagnostic WITH element) | US-PGPUB; USPAT | OR | ON | 2007/04/21 12:00 |
| S58 | 561 | (mobile WITH communication) AND (deriv\$3 WITH first WITH value) | US-PGPUB; USPAT | OR | ON | 2007/04/21 12:24 |
| S59 | 1 | (mobile WITH communication) AND (deriv\$3 WITH first WITH value SAME diagnostic WITH element) | US-PGPUB; USPAT | OR | ON | 2007/04/21 12:01 |
| S60 | 1 | (mobile WITH communication) AND (deriv\$3 WITH first WITH value AND diagnostic WITH element) | US-PGPUB; USPAT | OR | ON | 2007/04/21 12:02 |
| S61 | 1 | (mobile WITH communication) AND (deriv\$3 WITH first WITH comprehensive WITH value) | US-PGPUB; USPAT | OR | ON | 2007/04/21 12:04 |
| S62 | 1 | (mobile WITH communication) AND (deriv\$3 WITH first WITH (comprehensive OR covering) WITH value) | US-PGPUB; USPAT | OR | ON | 2007/04/21 12:04 |
| S63 | 6 | (mobile WITH communication) AND (deriv\$3 WITH comprehensive WITH value) | US-PGPUB; USPAT | OR | ON | 2007/04/21 12:06 |
| S64 | 1 | (mobile WITH communication) AND (deriv\$3 WITH first WITH value) AND (diagnostic WITH element) | US-PGPUB; USPAT | OR | ON | 2007/04/21 12:08 |
| S65 | 33 | (mobile WITH communication) AND (deriv\$3 WITH first ADJ value) | US-PGPUB; USPAT | OR | ON | 2007/04/21 12:26 |
| S66 | 10 | (mobile WITH communication) AND (deriv\$3 ADJ first ADJ value) | US-PGPUB; USPAT | OR | ON | 2007/04/21 14:21 |
| S67 | 4 | (mobile ADJ communication) AND (deriv\$3 ADJ first ADJ value) | US-PGPUB; USPAT | OR | ON | 2007/04/21 12:31 |
| S68 | 1 | ("20020142810").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/21 14:21 |
| S69 | 101566 | (mobile WITH communication) (threshold WITH comprehensive WITH initialization WITH value) | US-PGPUB; USPAT | OR | ON | 2007/04/21 14:22 |
| S70 | 0 | (mobile WITH communication) SAME (threshold WITH comprehensive WITH initialization WITH value) | US-PGPUB; USPAT | OR | ON | 2007/04/21 14:22 |

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|-----|-----|---|--------------------|----|-----|------------------|
| S71 | 1 | (mobile WITH communication) AND (threshold WITH comprehensive WITH initialization WITH value) | US-PGPUB; USPAT | OR | ON | 2007/04/21 14:22 |
| S72 | 1 | (threshold WITH comprehensive WITH initialization WITH value) | US-PGPUB; USPAT | OR | ON | 2007/04/21 14:23 |
| S73 | 1 | ("6421330").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/21 14:24 |
| S74 | 1 | ("6631174").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/21 14:24 |
| S75 | 1 | ("20040203363").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/21 14:44 |
| S76 | 817 | detect\$3 WITH diagnostic WITH element | US-PGPUB; USPAT | OR | ON | 2007/04/21 14:45 |
| S77 | 0 | detect\$3 WITH diagnostic WITH element WITH face WITH feature WITH head | US-PGPUB; USPAT | OR | ON | 2007/04/21 14:46 |
| S78 | 1 | detect\$3 WITH diagnostic WITH element WITH face WITH head | US-PGPUB; USPAT | OR | ON | 2007/04/21 14:47 |
| S79 | 4 | diagnostic WITH element WITH face WITH head | US-PGPUB; USPAT | OR | ON | 2007/04/21 14:47 |
| S80 | 0 | diagnostic WITH element WITH face WITH feature WITH head | US-PGPUB; USPAT | OR | ON | 2007/04/21 14:47 |
| S81 | 4 | diagnostic WITH element WITH face WITH head | US-PGPUB; USPAT | OR | ON | 2007/04/21 14:47 |
| S82 | 1 | ("20020142810").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/23 08:53 |
| S83 | 1 | ("20040203363").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/23 08:54 |
| S84 | 1 | ("6631174").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/23 08:54 |
| S85 | 1 | ("20030100261").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/23 08:55 |
| S86 | 1 | ("6898191").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/23 08:55 |
| S87 | 1 | ("6409660").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/23 08:56 |
| S88 | 1 | ("4698839").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/23 08:57 |
| S89 | 1 | ("5544649").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/23 08:57 |
| S90 | 1 | ("20020058536").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/25 15:33 |
| S91 | 7 | 09/505875 | US-PGPUB; USPAT | OR | ON | 2007/04/25 15:36 |

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|----------|-------|--|--------------------|----|-----|------------------|
| S92 | 1 | ("6678414").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/25 15:37 |
| S93 | 0 | (09/579089).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/04/25 15:37 |
| S94 | 4 | 09/579089 | US-PGPUB; USPAT | OR | ON | 2007/04/25 15:37 |
| S95 | 7816 | (mobile WITH phone WITH camera) | US-PGPUB; USPAT | OR | ON | 2007/04/30 09:47 |
| S96 | 3 | procesing WITH unit WITH control WITH information | US-PGPUB; USPAT | OR | ON | 2007/04/30 09:48 |
| S97 | 11132 | operational WITH control WITH unit | US-PGPUB; USPAT | OR | ON | 2007/04/30 09:49 |
| S98 | 21 | (mobile WITH phone WITH camera) SAME (process\$3 WITH control WITH information) | US-PGPUB; USPAT | OR | ON | 2007/04/30 09:52 |
| S99 | 4 | (mobile WITH phone WITH camera) SAME (process\$3 WITH control WITH information) SAME (operation\$ WITH control WITH unit) | US-PGPUB; USPAT | OR | ON | 2007/04/30 09:56 |
| S10 0 | 3 | (mobile WITH phone) WITH (camera WITH face WITH recognition) | US-PGPUB; USPAT | OR | ON | 2007/04/30 10:02 |
| S10 1 | 12 | (mobile WITH phone WITH camera) AND (face WITH recognition) AND (process\$3 SAME control SAME operation\$ SAME unit) | US-PGPUB; USPAT | OR | ON | 2007/04/30 10:08 |
| S10 2 | 1 | ("20040180690").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/30 10:12 |
| S10 3 | 4641 | mobile WITH telephone WITH camera | US-PGPUB; USPAT | OR | ON | 2007/04/30 10:12 |
| S10 4 | 4 | mobile WITH telephone WITH camera SAME (face WITH recognition) | US-PGPUB; USPAT | OR | ON | 2007/04/30 10:13 |
| S10 5 | 59 | (mobile WITH telephone) SAME (camera AND process\$3 WITH unit AND control WITH operation\$3) | US-PGPUB; USPAT | OR | ON | 2007/04/30 10:14 |
| S10 6 | 33 | (mobile WITH telephone) SAME (camera SAME process\$3 WITH unit AND control WITH operation\$3) | US-PGPUB; USPAT | OR | ON | 2007/04/30 10:15 |
| S10 7 | 17 | (mobile WITH telephone) SAME (camera SAME process\$3 WITH unit SAME control WITH operation\$3) | US-PGPUB; USPAT | OR | ON | 2007/04/30 11:18 |
| S10 8 | 181 | (mobile WITH telephone) SAME (camera SAME operation\$3 SAME control\$3) | US-PGPUB; USPAT | OR | ON | 2007/04/30 10:56 |
| S10 9 | 67 | (mobile WITH telephone) SAME (camera WITH operation\$3 WITH control\$3) | US-PGPUB; USPAT | OR | ON | 2007/04/30 10:56 |

EAST Search History

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|----------|-----|---|--------------------|----|----|------------------|
| S11 0 | 9 | (mobile WITH telephone) SAME (camera WITH operation\$3 WITH control\$3 WITH process\$3 WITH unit) | US-PGPUB; USPAT | OR | ON | 2007/04/30 10:57 |
| S11 1 | 2 | (mobile WITH telephone) SAME (camera WITH operation\$3 WITH control\$3 WITH process\$3 WITH unit) AND face | US-PGPUB; USPAT | OR | ON | 2007/04/30 10:58 |
| S11 2 | 9 | (mobile WITH telephone) SAME (camera WITH operation\$3 WITH control\$3 WITH process\$3 WITH unit) | US-PGPUB; USPAT | OR | ON | 2007/04/30 10:59 |
| S11 3 | 118 | (mobile WITH telephone) AND (camera WITH operation\$3 WITH control\$3 WITH process\$3 WITH unit) | US-PGPUB; USPAT | OR | ON | 2007/04/30 11:00 |
| S11 4 | 35 | (mobile WITH telephone) SAME (camera SAME operation\$3 SAME control\$3 SAME process\$3 WITH unit) | US-PGPUB; USPAT | OR | ON | 2007/04/30 11:00 |
| S11 5 | 32 | (mobile WITH telephone) SAME (camera SAME operation\$3 SAME (control\$3 WITH unit) SAME (process\$3 WITH unit)) | US-PGPUB; USPAT | OR | ON | 2007/04/30 11:01 |
| S11 6 | 13 | (mobile WITH telephone) SAME (camera SAME (operation\$3 WITH unit) SAME (control\$3 WITH unit) SAME (process\$3 WITH unit)) | US-PGPUB; USPAT | OR | ON | 2007/04/30 11:01 |
| S11 7 | 114 | mobile WITH telephone WITH camera AND (processing WITH unit WITH control WITH information) | US-PGPUB; USPAT | OR | ON | 2007/04/30 11:20 |
| S11 8 | 2 | (mobile WITH telephone WITH camera) AND (processing WITH unit WITH control WITH information) AND (operational WITH control WITH unit) | US-PGPUB; USPAT | OR | ON | 2007/04/30 11:30 |
| S11 9 | 39 | (mobile WITH telephone WITH camera) AND (processing WITH unit WITH control WITH information) AND (operation\$3 WITH unit) AND face | US-PGPUB; USPAT | OR | ON | 2007/04/30 11:30 |
| S12 0 | 2 | (mobile WITH telephone WITH camera) AND (processing WITH unit WITH control WITH information) AND (operation\$3 WITH unit) AND (face WITH recognition) | US-PGPUB; USPAT | OR | ON | 2007/04/30 11:31 |
| S12 1 | 82 | (mobile WITH telephone WITH camera) AND (processing WITH unit WITH control WITH information) AND (operation\$3 WITH unit) | US-PGPUB; USPAT | OR | ON | 2007/04/30 11:31 |
| S12 2 | 2 | (mobile WITH telephone WITH camera WITH face) AND (processing WITH unit WITH control WITH information) AND (operation\$3 WITH unit) | US-PGPUB; USPAT | OR | ON | 2007/04/30 11:32 |

EAST Search History

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| S12 3 | 82 | (mobile WITH telephone WITH camera) AND (processing WITH unit WITH control WITH information) AND (operation\$3 WITH unit) | US-PGPUB; USPAT | OR | ON | 2007/04/30 11:34 |
| S12 4 | 58 | image WITH operating WITH mobile WITH telephone | US-PGPUB; USPAT | OR | ON | 2007/04/30 12:43 |
| S12 5 | 1 | ("20050221856").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/30 12:35 |
| S12 6 | 1 | ("20020058536").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/30 12:40 |
| S12 7 | 1 | ("20040180690").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/30 12:40 |
| S12 8 | 1 | ("20050221856").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/30 13:08 |
| S12 9 | 457 | mobile WITH telephone WITH camera WITH process\$3 | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:14 |
| S13 0 | 12 | mobile WITH telephone WITH camera WITH process\$3 AND line AND length AND face AND eyes | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:12 |
| S13 1 | 164 | mobile NEAR1 telephone WITH camera WITH processing | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:14 |
| S13 2 | 2 | mobile NEAR1 telephone WITH camera WITH processing SAME (line AND length AND eyes OR face) | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:17 |
| S13 3 | 0 | mobile NEAR1 telephone WITH camera WITH processing SAME (line AND length AND eyes AND face) | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:18 |
| S13 4 | 0 | mobile WITH telephone WITH camera WITH face WITH horizontal WITH line WITH vertical WITH line | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:20 |
| S13 5 | 0 | mobile WITH telephone WITH camera WITH face SAME horizontal AND line AND vertical AND line | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:21 |
| S13 6 | 0 | processing WITH compar\$ WITH (face AND horizontal WITH line) AND mobile WITH telephone | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:23 |
| S13 7 | 1 | ("6405045").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/30 13:25 |
| S13 8 | 16 | processing WITH unit SAME comparing WITH face AND length | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:27 |
| S13 9 | 0 | processing WITH unit SAME comparing WITH face AND length WITH mobile WITH telephone WITH camera | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:27 |

EAST Search History

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| S14 0 | 0 | processing WITH unit SAME face AND length WITH mobile WITH telephone WITH camera | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:28 |
| S14 1 | 0 | processing WITH unit SAME face AND length WITH mobile WITH telephone | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:28 |
| S14 2 | 53 | processing WITH unit SAME face AND length AND mobile WITH telephone | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:28 |
| S14 3 | 28 | processing WITH unit SAME face AND length AND mobile WITH telephone WITH camera | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:28 |
| S14 4 | 28 | (processing WITH unit SAME face AND length) AND (mobile WITH telephone WITH camera) | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:34 |
| S14 5 | 1 | (processing WITH unit SAME comparing WITH face AND length) AND (mobile WITH telephone WITH camera) | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:29 |
| S14 6 | 199174 | mobile WITH telephone WITH camera SAME face AND length OR line AND eyes | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:35 |
| S14 7 | 21878 | mobile WITH telephone WITH camera SAME face AND length OR line AND eyes AND processing WITH unit | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:36 |
| S14 8 | 21857 | mobile WITH telephone WITH camera SAME comparing WITH face AND length OR line AND eyes AND processing WITH unit | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:36 |
| S14 9 | 0 | mobile WITH telephone WITH camera SAME comparing WITH face AND length AND line AND eyes AND processing WITH unit | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:36 |
| S15 0 | 26530 | mobile WITH telephone WITH camera SAME comparing WITH face AND length eyes AND processing WITH unit | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:37 |
| S15 1 | 0 | (mobile WITH telephone WITH camera) SAME (comparing WITH face WITH length eyes AND processing WITH unit) | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:37 |
| S15 2 | 0 | (mobile WITH telephone WITH camera) SAME (comparing WITH face AND length eyes AND (processing WITH unit)) | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:37 |
| S15 3 | 0 | mobile WITH telephone WITH camera WITH initialization WITH value WITH face | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:38 |
| S15 4 | 24 | (mobile WITH telephone WITH camera) AND (initialization WITH value AND face) | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:41 |

EAST Search History

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|----------|------|--|--------------------|----|-----|------------------|
| S15 5 | 55 | (processing WITH unit SAME compar\$) AND (initialization WITH value OR length AND line) WITH face | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:42 |
| S15 6 | 2 | (processing WITH unit SAME compar\$) AND (initialization WITH value OR length AND line) WITH face AND telephone WITH mobile | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:44 |
| S15 7 | 0 | processing WITH face WITH recognition WITH length WITH line | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:44 |
| S15 8 | 0 | face WITH recognition WITH length WITH line | US-PGPUB; USPAT | OR | ON | 2007/04/30 13:44 |
| S15 9 | 1 | ("20050221856").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/30 15:24 |
| S16 0 | 1 | ("20030100261").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/30 16:24 |
| S16 1 | 12 | (control WITH information WITH signal) SAME (mobile WITH telephone WITH camera) | US-PGPUB; USPAT | OR | ON | 2007/04/30 17:12 |
| S16 2 | 17 | (image WITH photograph) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND (deriv\$ WITH value) AND (determin\$ WITH difference) | US-PGPUB; USPAT | OR | ON | 2007/04/30 17:18 |
| S16 3 | 56 | (image OR photograph OR camera AND mobile) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND (deriv\$ WITH value) AND (determin\$ WITH difference) | US-PGPUB; USPAT | OR | ON | 2007/04/30 17:18 |
| S16 4 | 56 | (image OR photograph OR camera AND (mobile WITH telephone)) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND (deriv\$ WITH value) AND (determin\$ WITH difference) | US-PGPUB; USPAT | OR | ON | 2007/04/30 17:23 |
| S16 5 | 9113 | (mobile WITH (communication OR phone) WITH camera) | US-PGPUB; USPAT | OR | ON | 2007/04/30 17:24 |
| S16 6 | 225 | (mobile WITH (communication OR phone) WITH camera) AND (detect\$3 WITH face) | US-PGPUB; USPAT | OR | ON | 2007/04/30 17:25 |
| S16 7 | 51 | (mobile WITH (communication OR phone) WITH camera) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) | US-PGPUB; USPAT | OR | ON | 2007/04/30 17:25 |
| S16 8 | 1 | (mobile WITH (communication OR phone) WITH camera) SAME (detect\$3 WITH face) AND (detect\$3 WITH eyes) | US-PGPUB; USPAT | OR | ON | 2007/04/30 17:25 |

EAST Search History

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|----------|---|--|--------------------|----|----|------------------|
| S16 9 | 3 | (mobile WITH (communication OR phone) WITH camera) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND (deriv\$ WITH value) | US-PGPUB; USPAT | OR | ON | 2007/04/30 17:26 |
| S17 0 | 1 | (mobile WITH (communication OR phone) WITH camera) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND (deriv\$ WITH value) AND (determin\$ WITH difference) | US-PGPUB; USPAT | OR | ON | 2007/04/30 17:27 |
| S17 1 | 3 | (mobile WITH (communication OR phone) WITH camera) AND (detect\$3 WITH face) AND (detect\$3 WITH eyes) AND (deriv\$ WITH value) | US-PGPUB; USPAT | OR | ON | 2007/04/30 17:27 |